

SPECIFICATIONS:

MECHANICAL:
 WETTED MATERIALS: 316 STAINLESS STEEL
 ENCLOSURE: TYPE 360 ALUMINUM; EPOXY POWDER COATED

ELECTRICAL:
 ELECTRICAL CONNECTION:
 3 POSITION TERMINAL BLOCK, 22-14 AWG Max
 2 POSITION TERMINAL BLOCK, 22-14 AWG Max
 SWITCH SPECS (Switch and IAW):
 POWER INPUT: 2 WIRE Electronic Switch
 (Derives operating power from the switch output wires)
 SWITCH OUTPUT: 7.8 to 50 VDC @ 100mA,
 de-rate 1mA / °C above 25 °C. 2.7 mA MIN. LOAD REQUIRED.
 SWITCH CHARACTERISTICS:
 Open(off) State: 7.8-50 VDC @750 uA MAX
 Closed (on) State: 4.7 VDC @100 mA

APPROVALS:

cULus LISTED
 CLASS I, DIVISION 1, GROUPS A, B, C & D;
 CLASS II, DIVISION 1, GROUPS E, F & G; CLASS III
 CLASS I, ZONE 0 AEx ia IIC T4
 CLASS I, ZONE 0 Ex ia IIC T4
 CLASS I, ZONE 1, AEx d IIC T5
 CLASS I, ZONE 1, Ex d IIC T5
 CLASS I, ZONE 2, AEx nA IIC T4
 CLASS I, ZONE 2 EX nA IIC T4
 Tamb= -40°C TO +85°C (-40°F TO 185°F)
 ENCLOSURE TYPE 4X; IP66

ATEX APPROVED
 II 1 G Ex ia IIC T4
 II 1 D Ex ia IIIC T135°C
 II 2 G Ex d IIC T5
 II 2 D Ex ID A21 IP66 T+90C
 II 3 G Ex nA IIC T4
 DEMKO 09 ATEX 0813748X
 Tamb = -40°C TO +85°C (-40°F TO 185°F)

IECEX APPROVED
 IECEX UL 08.0017
 Ex ia IIC T4
 Ex ia IIIC T135°C
 Ex d IIC T5
 Ex ID A21 IP66 T+90C
 Ex nA IIC T4
 Tamb. = -40°C TO +85°C (-40°F TO 185°F)

MODEL	TEMPERATURE RANGE	EXTENSION LENGTH	
		ft	[meter]
TR1	-40 TO 450°F/ -40 TO 232°C	6'	[1.8]
TRC	-40 TO 450°F/ -40 TO 232°C	UP TO 60' MAX IN 1' INCREMENTS	[18.3] MAX
TH1	-40 TO 1000°F/ -40 TO 538°C	6'	[1.8]
THC	-40 TO 1000°F/ -40 TO 538°C	UP TO 60' MAX IN 1' INCREMENTS	[18.3] MAX
TC1	-300 TO 200°F/ -184 TO 93°C	6'	[1.8]
TCC	-300 TO 200°F/ -184 TO 93°C	UP TO 60' MAX IN 1' INCREMENTS	[18.3] MAX

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ORIGINAL APPROVALS	DATE
DRAWN BY: SR	4/13/2015
CHECKED BY: RJG	4/13/2015
APPROVED BY: S. MILLS	4/13/2015

UE UNITED ELECTRIC CONTROLS
 LEADERS IN SAFETY, ALARM & SHUTDOWN
 180 Dexter Avenue
 Watertown, MA. 02472
 617-926-1000
 www.ueonline.com

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS & TOLERANCES
 ARE IN INCHES (MM)
 INTERPRET PER ASME Y14.5M-2009

STANDARD TOLERANCES
 DECIMALS ANGLES
 X ± 0.03 ± 1/2°
 XX ± 0.01 FRACTIONS
 XXX ± 0.005 ± 1/64

TITLE:
1XSWLL REMOTE TEMP. SWITCH

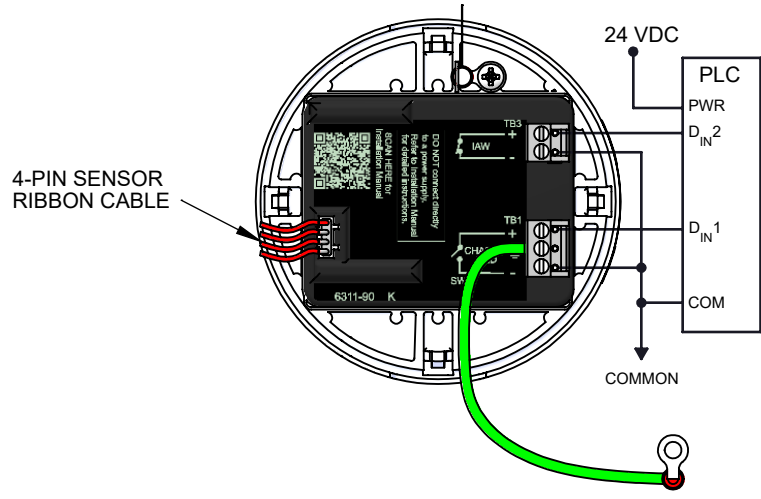
SIZE A	DRAWING NO. 14015	REV D
SCALE: 1:3		DO NOT SCALE THIS DRAWING
SHEET 1 OF 2		

REV	ECN#	DESCRIPTION	DATE	DRWN	APPD
D	E7532	UPDATED EXTENSION LENGTHS AND WIRING SCHEME VIEWS.	8/22/2024	KLF	KLI
C	E6100	"TB3" WAS "TB2" ON WIRING LABEL, WIRING SCHEMES VIEWS, PG. 2 OF 2.	6-20-17	SR	RAM
B	E5527	DRILLED HOLES IN CASTING NOW CORED.	6-15-15	RJG	RAM
A	E5458	FIRST ISSUE.	4-13-15	SR	SJM

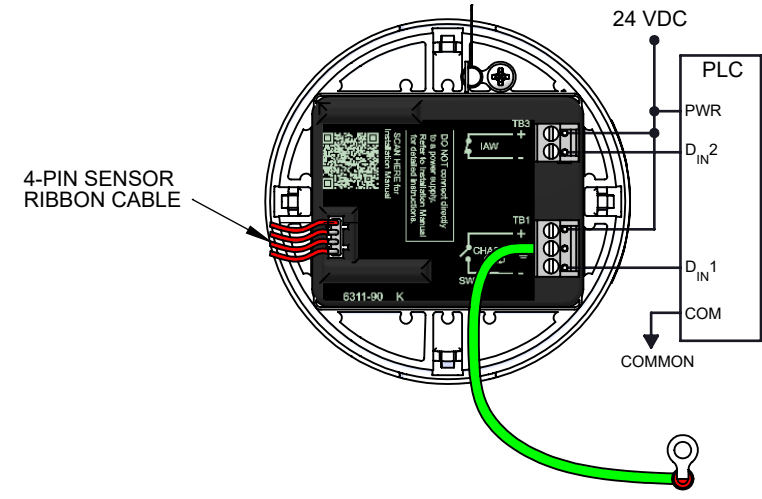
REVISION HISTORY

RECOMMENDED WIRING SCHEMES

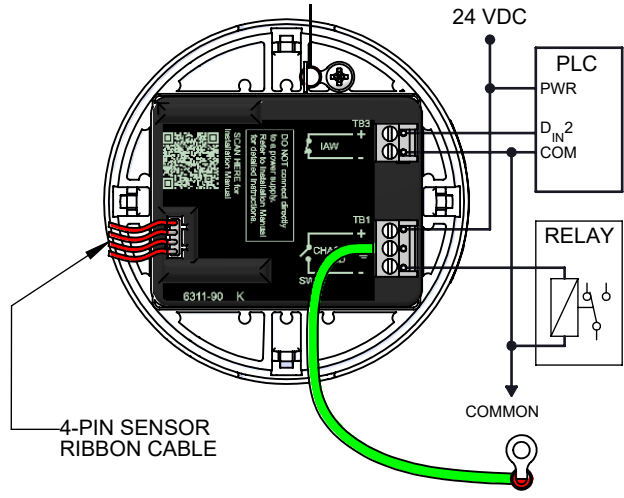
SW AND IAW
PLC INPUTS CIRCUIT
SINKING SWITCH



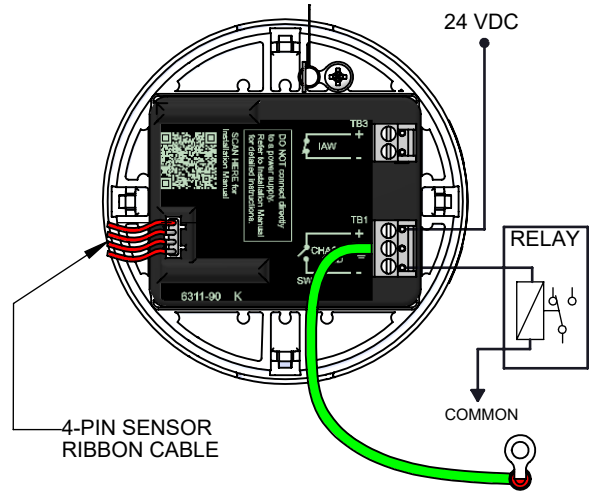
SW AND IAW
PLC INPUTS CIRCUIT
SOURCING SWITCH



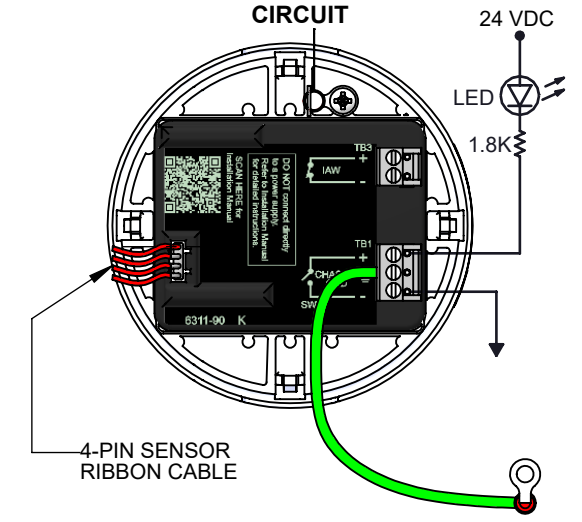
SWITCH INPUT SINKING
INTERPOSING RELAY
WITH IAW CIRCUIT



INTERPOSING
RELAY CIRCUIT



RECOMMENDED
BENCH TEST
CIRCUIT



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SIZE	DRAWING NO.	REV
A	14015	D
SCALE: 1:2		SHEET 2 OF 2
DO NOT SCALE THIS DRAWING		